

Vol. 82 • No. 12 • December 2008

CONTENTS

<i>Front Title</i>	1611
<i>Advisory Board and Editors</i>	1613-1614
<i>From Editor's Desk</i>	1615
<i>Front Contents</i>	1617-1618
Reviews	
The ideas of dual description of quantum chromodynamics	
H NANDAN AND H C CHANDOLA	1619-1643
Strong Solids	
N V CHANDRA SHEKAR AND P CH SAHU	1645-1654
Astrophysics, Atmospheric & Space Physics	
Heliographic distribution of X-ray solar flares and their association with geomagnetic disturbances in relation to solar radio emissions and coronal mass ejections	
A P MISHRA, V K MISHRA, ROOPALI TRIPATHI AND B N MISHRA	1655-1664
Condensed Matter & Materials Physics	
An evaluation of plasmon frequency associated with charge carriers for heavy electron systems	
PRAJWALIT SHIKHA, V K SINHA AND J D DUBEY	1665-1669
Determination of the effective magnetic anisotropy constant of ferrite nanoparticles dispersed in organic matrix	
OSACI MIHAELA	1671-1679

[Cont'd. on next page]

Optics & Spectroscopy

Asymmetric group velocity dispersion and pulse distortion in a uniform fiber Bragg grating

SANJEEV KUMAR RAGHUWANSHI AND SRINIVAS TALABATTULA 1681-1687

Plasma Physics

Solitary waves in dusty plasmas with variable dust charge and nonthermal ions

HAMID REZA PAKZAD AND KUROSH JAVIDAN 1689-1699

Note

Surface stress calculation for one-monolayer adsorption of As on the Si(001) and the Ge(001) surfaces

J D DUBEY, J P KUSHWAHA AND BHIMLAL PRASAD 1701-1705

Forthcoming Publications 1707

Notes for Contributors 1709-1712

Our Special Publications 1713-1714

Index (Author & Subject) – 2008 1715-1747

Renewal Notice-2009 1749

Renewal / New Order Form-2009 1751

Subscription Rates-2009 1753